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DIALOG(R) File 351:Derwent WPI  
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Compsn's. for binding metal ions - comprising anionic aromatic cpd.  
adsorbed on aryl-derived macromolecular cpd.

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3736950	A	19890511	DE 3736950	A	19871031	198920 B

Priority Applications (No Type Date): DE 3736950 A 19871031

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3736950	A		4		

Abstract (Basic): DE 3736950 A

Compsns. for binding metal ions comprise an aromatic cpd. (I) which is negatively charged in aq. media, and an aryl-derivatised macromolecular cpd. (II) with a mol. wt. above 1500, where (I) is adsorptively bonded to (II) by van der Waals and hydrophobic forces

(I) is a phenyl, benzal, benzyl; phenylsilyl, benzalsilyl or benzylsilyl phosphate or citrate. (II) is a water-soluble polymer, a silicate material or a polysaccharide, esp. an acrylic polymer, porous glass or cellulose, modified with phenyl, benzal, benzyl, phenylsilyl, benzylsilyl gps.

USE - The compsns. are useful for removing toxic metal ions from water or as human or veterinary medicaments for scavenging such ions from the body.

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Derwent Class: A96; A97; B05; C01; C03; D15; P35

International Patent Class (Additional): A62D-003/00; B01J-020/26